

09/778496

## WEST Search History

DATE: Wednesday, July 24, 2002

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,PGPB,DWPI; PLUR=YES; OP=OR</i>			
L9	l1 and l6	41	L9
L8	l4 and l6	19	L8
L7	l5 and l6	1	L7
L6	differential adj display	981	L6
L5	L4 and estradiol	12	L5
L4	L3 and computer	479	L4
L3	L2 and protein	1460	L3
L2	L1 and HPLC	2114	L2
L1	mass adj spectrometer	12305	L1

END OF SEARCH HISTORY

FILE 'HOME' ENTERED AT 09:41:57 ON 24 JUL 2002

=> FIL .CBIOTECH  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'MEDLINE' ENTERED AT 09:42:15 ON 24 JUL 2002

FILE 'BIOSIS' ENTERED AT 09:42:15 ON 24 JUL 2002  
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FILE 'BIOTECHDS' ENTERED AT 09:42:15 ON 24 JUL 2002  
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FILE 'CAPLUS' ENTERED AT 09:42:15 ON 24 JUL 2002  
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=> s mass spectroscopy  
L1 51894 MASS SPECTROSCOPY

=> s l1 and protein  
L2 3623 L1 AND PROTEIN

=> s l2 and HPLC  
L3 535 L2 AND HPLC

=> dup rem l3  
PROCESSING COMPLETED FOR L3  
L4 366 DUP REM L3 (169 DUPLICATES REMOVED)

=> s l4 and computer  
L5 11 L4 AND COMPUTER

=> d ibib l5 1-11

L5 ANSWER 1 OF 11 MEDLINE  
ACCESSION NUMBER: 94238641 MEDLINE  
DOCUMENT NUMBER: 94238641 PubMed ID: 8182703  
TITLE: Conformationally restricted competitive antagonists of human/rat corticotropin-releasing factor.  
AUTHOR: Miranda A; Koerber S C; Gulyas J; Lahrichi S L; Craig A G; Corrigan A; Hagler A; Rivier C; Vale W; Rivier J  
CORPORATE SOURCE: Clayton Foundation Laboratories for Peptide Biology, Salk Institute for Biological Studies, La Jolla, California 92037.  
CONTRACT NUMBER: DK-26741 (NIDDK)  
SOURCE: JOURNAL OF MEDICINAL CHEMISTRY, (1994 May 13) 37 (10) 1450-9.  
Journal code: 9716531. ISSN: 0022-2623.  
PUB. COUNTRY: United States  
Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199406  
ENTRY DATE: Entered STN: 19940621  
Last Updated on STN: 19940621

Entered Medline: 19940614

L5 ANSWER 2 OF 11 MEDLINE  
ACCESSION NUMBER: 92267025 MEDLINE  
DOCUMENT NUMBER: 92267025 PubMed ID: 1316841  
TITLE: Neuropeptide Y. Optimized solid-phase synthesis and conformational analysis in trifluoroethanol.  
AUTHOR: Mierke D F; Durr H; Kessler H; Jung G  
CORPORATE SOURCE: Organisch Chemisches Institut, Technische Universitat Munchen, Federal Republic of Germany.  
SOURCE: EUROPEAN JOURNAL OF BIOCHEMISTRY, (1992 May 15) 206 (1) 39-48.  
Journal code: 0107600. ISSN: 0014-2956.  
PUB. COUNTRY: GERMANY: Germany, Federal Republic of Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199206  
ENTRY DATE: Entered STN: 19920710  
Last Updated on STN: 19920710  
Entered Medline: 19920623

L5 ANSWER 3 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2002:230902 BIOSIS  
DOCUMENT NUMBER: PREV200200230902  
TITLE: Effects of temperature on the dynamic behaviour of the HIV-1 nucleocapsid NCp7 and its DNA complex.  
AUTHOR(S): Ramboarina, Stephanie; Srividya, Narayanan; Atkinson, R. Andrew; Morellet, Nelly; Roques, Bernard P.; Lefevre, Jean-Francois; Mely, Yves; Kieffer, Bruno (1)  
CORPORATE SOURCE: (1) Laboratoire de Genomique Structurale, CNRS UPR 9004 ESBS, Bd Sebastien Brant, 67400, Illkirch: kieffer@esbs.u-strasbg.fr France  
SOURCE: Journal of Molecular Biology, (22 February, 2002) Vol. 316, No. 3, pp. 611-627. <http://www.academicpress.com/jmb>. print.  
ISSN: 0022-2836.  
DOCUMENT TYPE: Article  
LANGUAGE: English

L5 ANSWER 4 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2002:217107 BIOSIS  
DOCUMENT NUMBER: PREV200200217107  
TITLE: The SH3 domain of nebulin binds selectively to type II peptides: Theoretical prediction and experimental validation.  
AUTHOR(S): Politou, Anastasia S.; Spadaccini, Roberta; Joseph, Catherine; Brannetti, Barbara; Guerrini, Remo; Helmer-Citterich, Manuela; Salvadori, Severo; Temussi, Piero Andrea; Pastore, Annalisa (1)  
CORPORATE SOURCE: (1) National Institute for Medical Research, Medical Research Council, The Ridgeway, Mill Hill, London, NW7 1AA: apastor@nimr.mrc.ac.uk UK  
SOURCE: Journal of Molecular Biology, (15 February, 2002) Vol. 316, No. 2, pp. 305-315. <http://www.academicpress.com/jmb>. print.  
ISSN: 0022-2836.  
DOCUMENT TYPE: Article  
LANGUAGE: English

L5 ANSWER 5 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2001:244444 BIOSIS

DOCUMENT NUMBER: PREV200100244444  
TITLE: The betabetaalpha fold: Explorations in sequence space.  
AUTHOR(S): Sarisky, Catherine A.; Mayo, Stephen L. (1)  
CORPORATE SOURCE: (1) Division of Biology, Howard Hughes Medical Institute,  
California Institute of Technology, Pasadena, CA, 91125:  
steve@mayo.caltech.edu USA  
SOURCE: Journal of Molecular Biology, (13 April, 2001) Vol. 307,  
No. 5, pp. 1411-1418. print.  
ISSN: 0022-2836.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L5 ANSWER 6 OF 11 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI  
ACCESSION NUMBER: 2002-00418 BIOTECHDS

TITLE: Characterizing **proteins** involves treating samples  
comprising **proteins** with separation apparatus,  
feeding separated **proteins** into a mass spectrometer  
and analyzing the separated **protein** to characterize  
**protein** mass;  
**protein** microarray and **computer**  
software for human erythroleukemia cell **protein**  
purification and characterization  
AUTHOR: Lubman D M; Barder T J; Wall D B; Parus S J; Kachman M T;  
Chong B E; North R; Horvath T; Yan F  
PATENT ASSIGNEE: Univ.Michgigan  
LOCATION: Ann Arbor, MI, USA.  
PATENT INFO: WO 2001058925 16 Aug 2001  
APPLICATION INFO: WO 2001-US3917 7 Feb 2001  
PRIORITY INFO: US 2001-259448 3 Jan 2001; US 2000-180911 8 Feb 2000  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: WPI: 2001-529839 [58]

L5 ANSWER 7 OF 11 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI  
ACCESSION NUMBER: 1985-03218 BIOTECHDS

TITLE: **Computer** monitoring of sugars, acids and volatile  
compounds in fermentations;  
e.g. ethanol and lactic acid produced by fermentation of  
deproteinized whey (conference paper)  
AUTHOR: Motte J C; Monseur X; Termonia M; Hofman M; Alaerts G; De  
Meyer A  
LOCATION: Institut de Recherches Chimiques, Ministere de l'Agriculture,  
Museumlaan 5, B-1980 Tervuren, Belgium.  
SOURCE: Anal.Chim.Acta; (1984) 163, 275-80  
CODEN: ACACAM  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L5 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:276137 CAPLUS  
DOCUMENT NUMBER: 136:305090  
TITLE: Whole cell engineering by mutagenizing a substantial  
portion of a starting genome and combining mutations  
with optional reiteration, identifying **protein**  
profiles by differential labeling and mass  
spectrometry, and by metabolic flux analysis  
INVENTOR(S): Short, Jay M.; Fu, Pengcheng; Latterich, Martin; Wei,  
Jing; Levin, Michael  
PATENT ASSIGNEE(S): Diversa Corporation, USA  
SOURCE: PCT Int. Appl., 869 pp.  
CODEN: PIXXD2

DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002029032	A2	20020411	WO 2001-US31004	20011001
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
WO 2001096551	A2	20011220	WO 2001-US19367	20010614
WO 2001096551	A3	20020523		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.:  
US 2000-677584 A2 20000930  
US 2001-279702P P 20010328  
WO 2001-US19367 W 20010614  
US 2000-594459 A2 20000614

OTHER SOURCE(S): MARPAT 136:305090

L5 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1991:578572 CAPLUS  
DOCUMENT NUMBER: 115:178572  
TITLE: Mass spectrometry software for biochemical analysis in electrospray and fast atom bombardment modes  
AUTHOR(S): Watkins, Peter J. F.; Jardine, Ian; Zhou, Joe X. G.  
CORPORATE SOURCE: Finnigan MAT Ltd., Hemel Hempstead/Herts., HP2 4TG, UK  
SOURCE: Biochem. Soc. Trans. (1991), 19(4), 957-62  
CODEN: BCSTB5; ISSN: 0300-5127  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L5 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1991:97732 CAPLUS  
DOCUMENT NUMBER: 114:97732  
TITLE: Assignment of disulfide bonds in **proteins** by partial acid hydrolysis and mass spectrometry  
AUTHOR(S): Zhou, Zhongrui; Smith, David L.  
CORPORATE SOURCE: Sch. Pharm. Pharm. Sci., Purdue Univ., Lafayette, IN, 47907, USA  
SOURCE: J. Protein Chem. (1990), 9(5), 523-32  
CODEN: JPCHD2; ISSN: 0277-8033  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L5 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1983:212484 CAPLUS  
DOCUMENT NUMBER: 98:212484  
TITLE: A new **computer**-aided method for sequencing a

polypeptide from the masses and Edman degradation of  
its constituent peptide fragments

AUTHOR(S): Shimonishi, Yasutsugu  
CORPORATE SOURCE: Inst. Protein Res., Osaka Univ., Suita, 565, Japan  
SOURCE: Methods Protein Sequence Anal., [Proc. Int. Conf.],  
4th (1982), Meeting Date 1981, 271-8. Editor(s):  
Elzinga, Marshall. Humana: Clifton, N. J.  
CODEN: 49KBAY

DOCUMENT TYPE: Conference  
LANGUAGE: English

=> s differential display  
L6 11053 DIFFERENTIAL DISPLAY

=> s l6 and protein  
L7 6475 L6 AND PROTEIN

=> s l7 and l1  
L8 1 L7 AND L1

=> d ibib l8

L8 ANSWER 1 OF 1 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2001:75632 BIOSIS  
DOCUMENT NUMBER: PREV200100075632  
TITLE: Preliminary expression analysis in Alzheimer's disease  
using SELDI **protein** chips.  
AUTHOR(S): Utal, A. (1); Yao, P.; Sha, M.; Coleman, P. D.  
CORPORATE SOURCE: (1) Center on Aging " Developmental Biology, University of  
Rochester, Rochester, NY USA  
SOURCE: Society for Neuroscience Abstracts, (2000) Vol. 26, No.  
1-2, pp. Abstract No.-83.7. print.  
Meeting Info.: 30th Annual Meeting of the Society of  
Neuroscience New Orleans, LA, USA November 04-09, 2000  
Society for Neuroscience  
. ISSN: 0190-5295.  
DOCUMENT TYPE: Conference  
LANGUAGE: English  
SUMMARY LANGUAGE: English

=> s mass spectrometer  
L9 49174 MASS SPECTROMETER

=> s l6 and l9  
L10 14 L6 AND L9

=> dup rem l10  
PROCESSING COMPLETED FOR L10  
L11 5 DUP REM L10 (9 DUPLICATES REMOVED)

=> d ibib l11 1-5

L11 ANSWER 1 OF 5 MEDLINE DUPLICATE 1  
ACCESSION NUMBER: 2002122346 MEDLINE  
DOCUMENT NUMBER: 21846417 PubMed ID: 11857757  
TITLE: Comparative proteomics based on stable isotope labeling and  
affinity selection.  
AUTHOR: Regnier Fred E; Riggs Larry; Zhang Roujian; Xiong Li; Liu  
Peiran; Chakraborty Asish; Seeley Erin; Sioma Cathy;  
Thompson Robert A

CORPORATE SOURCE: Department of Chemistry, Purdue University, West Lafayette,  
IN 47907, USA.. fregnier@purdue.edu  
CONTRACT NUMBER: GM 59996 (NIGMS)  
SOURCE: JOURNAL OF MASS SPECTROMETRY, (2002 Feb) 37 (2) 133-45.  
Ref: 86  
Journal code: 9504818. ISSN: 1076-5174.  
PUB. COUNTRY: England: United Kingdom  
Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200203  
ENTRY DATE: Entered STN: 20020222  
Last Updated on STN: 20020322  
Entered Medline: 20020321

L11 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2001:598300 CAPLUS  
DOCUMENT NUMBER: 135:177671  
TITLE: Protein separation apparatus and methods for a novel  
mass mapping system  
INVENTOR(S): Lubman, David M.; Chong, Bathsheba E.; Parus, Stephen  
J.  
PATENT ASSIGNEE(S): Regents of the University of Michigan, USA  
SOURCE: PCT Int. Appl., 56 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 3  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001059460	A2	20010816	WO 2001-US3887	20010207
WO 2001059460	A3	20020207		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 2002039747	A1	20020404	US 2001-778496	20010207
PRIORITY APPLN. INFO.:			US 2000-180911P	P 20000208
			US 2000-239325P	P 20001010
			US 2000-239326P	P 20001010
			US 2001-259448P	P 20010103
			US 2001-259816P	P 20010104

L11 ANSWER 3 OF 5 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2001:494473 BIOSIS  
DOCUMENT NUMBER: PREV200100494473  
TITLE: The MasscodeTM technology alternative to fluorescent  
detection.  
AUTHOR(S): Dusterhoft, Andreas (1); Dix, Kim (1); Erwin, Barb (1);  
Kokoris, Mark (1); Mathis, Janette (1); Moynihan, Kristen  
(1)  
CORPORATE SOURCE: (1) QIAGEN Genomics, Inc., Bothell, WA USA  
SOURCE: International Genome Sequencing and Analysis Conference,

(2000) Vol. 12, pp. 27. print.  
Meeting Info.: 12th International Genome Sequencing and  
Analysis Conference Miami Beach, Florida, USA September  
12-15, 2000

DOCUMENT TYPE: Conference  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L11 ANSWER 4 OF 5 MEDLINE DUPLICATE 2  
ACCESSION NUMBER: 97188452 MEDLINE  
DOCUMENT NUMBER: 97188452 PubMed ID: 9037037  
TITLE: Systematic isolation of peptide signal molecules regulating  
development in hydra: LWamide and PW families.  
AUTHOR: Takahashi T; Muneoka Y; Lohmann J; Lopez de Haro M S;  
Solleder G; Bosch T C; David C N; Bode H R; Koizumi O;  
Shimizu H; Hatta M; Fujisawa T; Sugiyama T  
CORPORATE SOURCE: Faculty of Integrated Arts and Sciences, Hiroshima  
University, Higashi-Hiroshima, Japan.  
CONTRACT NUMBER: HD 08086 (NICHD)  
HD 27173 (NICHD)  
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE  
UNITED STATES OF AMERICA, (1997 Feb 18) 94 (4) 1241-6.  
Journal code: 7505876. ISSN: 0027-8424.  
PUB. COUNTRY: United States  
Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199703  
ENTRY DATE: Entered STN: 19970407  
Last Updated on STN: 19970407  
Entered Medline: 19970327

L11 ANSWER 5 OF 5 MEDLINE DUPLICATE 3  
ACCESSION NUMBER: 97443972 MEDLINE  
DOCUMENT NUMBER: 97443972 PubMed ID: 9298643  
TITLE: Proteome research: complementarity and limitations with  
respect to the RNA and DNA worlds.  
AUTHOR: Humphery-Smith I; Cordwell S J; Blackstock W P  
CORPORATE SOURCE: University of Sydney, Centre for Proteome Research and  
Gene-Product Mapping, National Innovation Centre, Eveleigh,  
Australia.. reeves04@angis.su.oz.au  
SOURCE: ELECTROPHORESIS, (1997 Aug) 18 (8) 1217-42. Ref: 321  
Journal code: 8204476. ISSN: 0173-0835.  
PUB. COUNTRY: GERMANY: Germany, Federal Republic of  
Historical  
Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, ACADEMIC)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals; History of Medicine  
ENTRY MONTH: 199710  
ENTRY DATE: Entered STN: 19971105  
Last Updated on STN: 19971105  
Entered Medline: 19971023

=> s l1 and l9  
L12 5470 L1 AND L9

=> s l12 and HPLC  
L13 168 L12 AND HPLC



=> dup rem l13  
PROCESSING COMPLETED FOR L13  
L14 161 DUP REM L13 (7 DUPLICATES REMOVED)

=> s l14 and computer  
L15 6 L14 AND COMPUTER

=> d ibib l15 1-6

L15 ANSWER 1 OF 6 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2000:405039 BIOSIS  
DOCUMENT NUMBER: PREV200000405039  
TITLE: Biotin reagents for antibody pretargeting. 4. Selection of biotin conjugates for in vivo application based on their dissociation rate from avidin and streptavidin.  
AUTHOR(S): Wilbur, D. Scott (1); Chyan, Ming-Kuan; Pathare, Pradip M.; Hamlin, Donald K.; Frownfelter, Milah B.; Kegley, Brian B.  
CORPORATE SOURCE: (1) Department of Radiation Oncology, University of Washington, 2121 North 35th Street, Seattle, WA, 98195 USA  
SOURCE: Bioconjugate Chemistry, (July August, 2000) Vol. 11, No. 4, pp. 569-583. print.  
ISSN: 1043-1802.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L15 ANSWER 2 OF 6 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI  
ACCESSION NUMBER: 2002-00418 BIOTECHDS  
TITLE: Characterizing proteins involves treating samples comprising proteins with separation apparatus, feeding separated proteins into a **mass spectrometer** and analyzing the separated protein to characterize protein mass; protein microarray and **computer** software for human erythroleukemia cell protein purification and characterization  
AUTHOR: Lubman D M; Barder T J; Wall D B; Parus S J; Kachman M T; Chong B E; North R; Horvath T; Yan F  
PATENT ASSIGNEE: Univ.Michgigan  
LOCATION: Ann Arbor, MI, USA.  
PATENT INFO: WO 2001058925 16 Aug 2001  
APPLICATION INFO: WO 2001-US3917 7 Feb 2001  
PRIORITY INFO: US 2001-259448 3 Jan 2001; US 2000-180911 8 Feb 2000  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: WPI: 2001-529839 [58]

L15 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1998:816818 CAPLUS  
DOCUMENT NUMBER: 130:60388  
TITLE: New software generation for the **mass spectroscopy**  
AUTHOR(S): Gummersbach, Joachim  
CORPORATE SOURCE: ThermoQuest Analyt. Systeme G.m.b.H., Egelsbach, D-63329, Germany  
SOURCE: LaborPraxis (1998), 22(12), 26-28  
CODEN: LAPRDE; ISSN: 0344-1733  
PUBLISHER: Vogel Verlag und Druck Gmbh & Co. KG  
DOCUMENT TYPE: Journal; General Review  
LANGUAGE: German

L15 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1990:47991 CAPLUS

DOCUMENT NUMBER: 112:47991  
TITLE: Accurate mass measurement in continuous flow fast atom bombardment quadrupole mass spectrometry  
AUTHOR(S): Roboz, John; Holland, James F.; McDowell, Mark A.; Hillmer, Mark J.  
CORPORATE SOURCE: Dep. Neoplast. Dis., Mt. Sinai Sch. Med., New York, NY, USA  
SOURCE: Rapid Commun. Mass Spectrom. (1988), 2(4), 64-6  
CODEN: RCMSEF  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L15 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1989:53982 CAPLUS  
DOCUMENT NUMBER: 110:53982  
TITLE: Cesium ion liquid secondary ion mass spectrometry of membrane-bound glycoproteins: structural and topological considerations of acetylcholine receptor from Torpedo californica  
AUTHOR(S): Poulter, L.; Earnest, J. P.; Stroud, R. M.; Burlingame, A. L.  
CORPORATE SOURCE: Dep. Pharm. Chem., Univ. California, San Francisco, CA, 94143, USA  
SOURCE: Biomed. Environ. Mass Spectrom. (1988), Volume Date 1987, 16(1-12), 25-30  
CODEN: BEMSEN; ISSN: 0887-6134  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L15 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1985:419374 CAPLUS  
DOCUMENT NUMBER: 103:19374  
TITLE: Analysis of lipids by high performance liquid chromatography-chemical ionization mass spectrometry  
AUTHOR(S): Erdahl, W. L.; Privett, O. S.  
CORPORATE SOURCE: Hormel Inst., Univ. Minnesota, Austin, MN, 55912, USA  
SOURCE: JAOCS, J. Am. Oil Chem. Soc. (1985), 62(4), 786-92  
CODEN: JJASDH  
DOCUMENT TYPE: Journal  
LANGUAGE: English

FILE 'HOME' ENTERED AT 11:22:36 ON 24 JUL 2002

=> FIL .CBIOTECH

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'MEDLINE' ENTERED AT 11:22:57 ON 24 JUL 2002

FILE 'BIOSIS' ENTERED AT 11:22:57 ON 24 JUL 2002

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FILE 'EMBASE' ENTERED AT 11:22:57 ON 24 JUL 2002

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=> s mass spectrometer

L1 49174 MASS SPECTROMETER

=> s l1 and HPLC

L2 2698 L1 AND HPLC

=> s l2 and protein

L3 656 L2 AND PROTEIN

=> dup rem l3

PROCESSING COMPLETED FOR L3

L4 461 DUP REM L3 (195 DUPLICATES REMOVED)

=> s l4 and estradiol

L5 2 L4 AND ESTRADIOL

=> d ibib l5 1-2

L5 ANSWER 1 OF 2 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2002:77117 BIOSIS

DOCUMENT NUMBER: PREV200200077117

TITLE: Specific photoaffinity-labeling of Tyr-50 on the heavy chain and of Tyr-32 on the light chain in the steroid combining site of a mouse monoclonal anti-**estradiol** antibody using C3-, C6-, and C7-linked 5-azido-2-nitrobenzoylamidoestradiol photoreagents.

AUTHOR(S): de Ravel, Marc Rolland; Blachere, Thierry; Delolme, Frederic; Dessalces, Guy; Coulon, Stephane; Baty, Daniel; Grenot, Catherine; Mappus, Elisabeth; Cuilleron, Claude Y. (1)

CORPORATE SOURCE: (1) Institut National de la Sante et de la Recherche Medicale, Unite INSERM U 329, Pathologie Hormonale Moleculaire, Hopital Debrousse, 69322, Lyon: cuilleron@lyon151.inserm.fr France

SOURCE: Biochemistry, (December 11, 2001) Vol. 40, No. 49, pp. 14907-14920. <http://pubs.acs.org/journals/bichaw/>. print. ISSN: 0006-2960.

DOCUMENT TYPE: Article

LANGUAGE: English

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 2001:598300 CAPLUS  
 DOCUMENT NUMBER: 135:177671  
 TITLE: **Protein** separation apparatus and methods for  
 a novel mass mapping system  
 INVENTOR(S): Lubman, David M.; Chong, Bathsheba E.; Parus, Stephen  
 J.  
 PATENT ASSIGNEE(S): Regents of the University of Michigan, USA  
 SOURCE: PCT Int. Appl., 56 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001059460	A2	20010816	WO 2001-US3887	20010207
WO 2001059460	A3	20020207		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2002039747	A1	20020404	US 2001-778496	20010207
PRIORITY APPLN. INFO.:				
			US 2000-180911P	P 20000208
			US 2000-239325P	P 20001010
			US 2000-239326P	P 20001010
			US 2001-259448P	P 20010103
			US 2001-259816P	P 20010104

=> s l4 and computer  
 L6 24 L4 AND COMPUTER

=> d ibib l6 1-24

L6 ANSWER 1 OF 24 MEDLINE  
 ACCESSION NUMBER: 2000166087 MEDLINE  
 DOCUMENT NUMBER: 20166087 PubMed ID: 10701260  
 TITLE: Automated identification of amino acid sequence variations  
 in **proteins** by **HPLC**/microspray tandem  
 mass spectrometry.  
 AUTHOR: Gatlin C L; Eng J K; Cross S T; Detter J C; Yates J R 3rd  
 CORPORATE SOURCE: Department of Molecular Biotechnology, University of  
 Washington, Seattle 98195-7730, USA.  
 SOURCE: ANALYTICAL CHEMISTRY, (2000 Feb 15) 72 (4) 757-63.  
 Journal code: 0370536. ISSN: 0003-2700.  
 PUB. COUNTRY: United States  
 Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 200004  
 ENTRY DATE: Entered STN: 20000505  
 Last Updated on STN: 20000505  
 Entered Medline: 20000425

L6 ANSWER 2 OF 24 MEDLINE  
ACCESSION NUMBER: 1998300813 MEDLINE  
DOCUMENT NUMBER: 98300813 PubMed ID: 9638942  
TITLE: Optimization of capillary chromatography ion trap-mass spectrometry for identification of gel-separated **proteins**.  
AUTHOR: Courchesne P L; Jones M D; Robinson J H; Spahr C S; McCracken S; Bentley D L; Luethy R; Patterson S D  
CORPORATE SOURCE: Protein Structure, Amgen Inc., Thousand Oaks, CA 91320-1789, USA.  
SOURCE: ELECTROPHORESIS, (1998 May) 19 (6) 956-67. Journal code: 8204476. ISSN: 0173-0835.  
PUB. COUNTRY: GERMANY: Germany, Federal Republic of Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199903  
ENTRY DATE: Entered STN: 19990316  
Last Updated on STN: 20000303  
Entered Medline: 19990303

L6 ANSWER 3 OF 24 MEDLINE  
ACCESSION NUMBER: 96182018 MEDLINE  
DOCUMENT NUMBER: 96182018 PubMed ID: 8608118  
TITLE: A binding site for chlorambucil on metallothionein.  
AUTHOR: Zaia J; Jiang L; Han M S; Tabb J R; Wu Z; Fabris D; Fenselau C  
CORPORATE SOURCE: Department of Chemistry and Biochemistry, Structural Biochemistry Center, University of Maryland Baltimore County, 21228, USA.  
CONTRACT NUMBER: 21248 (NIEHS)  
T32 ES07263  
SOURCE: BIOCHEMISTRY, (1996 Mar 5) 35 (9) 2830-5. Journal code: 0370623. ISSN: 0006-2960.  
PUB. COUNTRY: United States  
Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199605  
ENTRY DATE: Entered STN: 19960605  
Last Updated on STN: 19960605  
Entered Medline: 19960528

L6 ANSWER 4 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2002:357144 BIOSIS  
DOCUMENT NUMBER: PREV200200357144  
TITLE: Identifying sites of attachment of UV filters to **proteins** in older human lenses.  
AUTHOR(S): Aquilina, J. A.; Truscott, R. J. W. (1)  
CORPORATE SOURCE: (1) Australian Cataract Research Foundation, Department of Chemistry, University of Wollongong, Northfields Avenue, Wollongong, NSW, 2522: roger\_truscott@uow.edu.au Australia  
SOURCE: Biochimica et Biophysica Acta, (1 April, 2002) Vol. 1596, No. 1, pp. 6-15. <http://www.elsevier.com/locate/bba>. print. ISSN: 0006-3002.  
DOCUMENT TYPE: Article  
LANGUAGE: English

L6 ANSWER 5 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2002:236175 BIOSIS  
DOCUMENT NUMBER: PREV200200236175  
TITLE: Application of column-switching liquid chromatography-

tandem mass spectrometry for the determination of pharmaceutical compounds in tissue samples.

AUTHOR(S): Heinig, Katja (1); Bucheli, Franz

CORPORATE SOURCE: (1) Pharmaceuticals Division, Non-clinical Drug Safety, Bioanalytical Section, F. Hoffmann-La Roche Ltd., Building 68/101, CH-4070, Basel: katja.heinig@roche.com Switzerland

SOURCE: Journal of Chromatography B, (25 March, 2002) Vol. 769, No. 1, pp. 9-26. <http://www.elsevier.com/locate/jchromb>. print. ISSN: 0378-4347.

DOCUMENT TYPE: Article

LANGUAGE: English

L6 ANSWER 6 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2001:420041 BIOSIS

DOCUMENT NUMBER: PREV200100420041

TITLE: Functional assignment of the 20 S proteasome from Trypanosoma brucei using mass spectrometry and new bioinformatics approaches.

AUTHOR(S): Huang, Lan; Jacob, Richard J.; Pegg, Scott C.-H.; Baldwin, Michael A.; Wang, Ching C.; Burlingame, Alma L.; Babbitt, Patricia C. (1)

CORPORATE SOURCE: (1) Department of Pharmaceutical Chemistry, University of California, San Francisco, CA, 94143: babbitt@cgl.ucsf.edu USA

SOURCE: Journal of Biological Chemistry, (July 27, 2001) Vol. 276, No. 30, pp. 28327-28339. print. ISSN: 0021-9258.

DOCUMENT TYPE: Article

LANGUAGE: English

SUMMARY LANGUAGE: English

L6 ANSWER 7 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2001:157390 BIOSIS

DOCUMENT NUMBER: PREV200100157390

TITLE: Large-scale analysis of the yeast proteome by multidimensional **protein** identification technology.

AUTHOR(S): Washburn, Michael P.; Wolters, Dirk; Yates, John R., III (1)

CORPORATE SOURCE: (1) Syngenta Agricultural Discovery Institute, 3115 Merryfield Row, Suite 100, San Diego, CA, 92121: jyates@scripps.edu USA

SOURCE: Nature Biotechnology, (March, 2001) Vol. 19, No. 3, pp. 242-247. print. ISSN: 1087-0156.

DOCUMENT TYPE: Article

LANGUAGE: English

SUMMARY LANGUAGE: English

L6 ANSWER 8 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2000:520071 BIOSIS

DOCUMENT NUMBER: PREV200000520071

TITLE: Methionine oxidation within the cerebroside-sulfate activator **protein** (CSAct or Saposin B).

AUTHOR(S): Whitelegge, Julian P. (1); Penn, Brandon; To, Trang; Johnson, Jeff; Waring, Alan; Sherman, Mark; Stevens, Richard L.; Fluharty, Claire B.; Faull, Kym F.; Fluharty, Arvan L.

CORPORATE SOURCE: (1) Department of Chemistry and Biochemistry, University of California, 405 Hilgard Ave., Los Angeles, CA, 90095-1569 USA

SOURCE: Protein Science, (September, 2000) Vol. 9, No. 9, pp.

1618-1630. print.  
ISSN: 0961-8368.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L6 ANSWER 9 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2000:481016 BIOSIS  
DOCUMENT NUMBER: PREV200000481016  
TITLE: Identification of differentially expressed **proteins** between human hepatoma and normal liver cell lines by two-dimensional electrophoresis and liquid chromatography-ion trap mass spectrometry.  
AUTHOR(S): Yu, Li-Rong; Zeng, Rong; Shao, Xiao-Xia; Wang, Nan; Xu, Yong-Hua; Xia, Qi-Chang (1)  
CORPORATE SOURCE: (1) Shanghai Institute of Biochemistry, Chinese Academy of Sciences, 320 Yue-yang Road, Shanghai, 200031 China  
SOURCE: Electrophoresis, (August, 2000) Vol. 21, No. 14, pp. 3058-3068. print.  
ISSN: 0173-0835.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L6 ANSWER 10 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2000:364302 BIOSIS  
DOCUMENT NUMBER: PREV200000364302  
TITLE: Proteomic analysis of the human colon carcinoma cell line (LIM 1215): Development of a membrane **protein** database.  
AUTHOR(S): Simpson, Richard J. (1); Connolly, Lisa M.; Eddes, James S.; Pereira, Joseph J.; Moritz, Robert L.; Reid, Gavin E.  
CORPORATE SOURCE: (1) Ludwig Institute for Cancer Research, Royal Melbourne Hospital, Parkville, VIC, 3050 Australia  
SOURCE: Electrophoresis, (May, 2000) Vol. 21, No. 9, pp. 1707-1732. print.  
ISSN: 0173-0835.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L6 ANSWER 11 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2000:329360 BIOSIS  
DOCUMENT NUMBER: PREV200000329360  
TITLE: Hydrolysis of triple-helical collagen peptide models by matrix metalloproteinases.  
AUTHOR(S): Lauer-Fields, Janelle L.; Tuzinski, Kathleen A.; Shimokawa, Ken-ichi; Nagase, Hideaki; Fields, Gregg B. (1)  
CORPORATE SOURCE: (1) Dept. of Chemistry and Biochemistry, Florida Atlantic University, 777 Glades Rd., Boca Raton, FL, 33431-0991 USA  
SOURCE: Journal of Biological Chemistry, (May 5, 2000) Vol. 275, No. 18, pp. 13282-13290. print.  
ISSN: 0021-9258.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L6 ANSWER 12 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2000:91539 BIOSIS  
DOCUMENT NUMBER: PREV200000091539  
TITLE: An integrated proteomic approach to studying glomerular nephrotoxicity.

AUTHOR(S): Cutler, Paul (1); Bell, David J.; Birrell, Helen C.;  
Connelly, John C.; Connor, Susan C.; Holmes, Elaine;  
Mitchell, Bob C.; Monte, Soraya Y.; Neville, Bill A.;  
Pickford, Russell; Polley, Steven; Schneider, Klaus;  
Skehel, J. Mark  
CORPORATE SOURCE: (1) Department of Analytical Sciences, Smith Kline Beecham  
Pharmaceuticals, Harlow, CM19 5AW UK  
SOURCE: Electrophoresis, (Dec., 1999) Vol. 20, No. 18, pp.  
3647-3658.  
ISSN: 0173-0835.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L6 ANSWER 13 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1999:222962 BIOSIS  
DOCUMENT NUMBER: PREV199900222962  
TITLE: Determination of N-linked glycosylation of yeast external  
invertase by matrix-assisted laser desorption/ionization  
time-of-flight mass spectrometry.  
AUTHOR(S): Zeng, Chenhui; Biemann, Klaus (1)  
CORPORATE SOURCE: (1) Department of Chemistry, Massachusetts Institute of  
Technology, Cambridge, MA, 02139-4307 USA  
SOURCE: Journal of Mass Spectrometry, (April, 1999) Vol. 34, No. 4,  
pp. 311-329.  
ISSN: 1076-5174.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L6 ANSWER 14 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1998:206320 BIOSIS  
DOCUMENT NUMBER: PREV199800206320  
TITLE: Structure characterization of functional histidine residues  
and carbethoxylated derivatives in peptides and  
**proteins** by mass spectrometry.  
AUTHOR(S): Kalkum, Markus; Przybylski, Michael; Glocker, Michael O.  
(1)  
CORPORATE SOURCE: (1) Fac. Chem., Univ. Konstanz, P.O. Box M 732, D-78457  
Konstanz Germany  
SOURCE: Bioconjugate Chemistry, (March-April, 1998) Vol. 9, No. 2,  
pp. 226-235.  
ISSN: 1043-1802.  
DOCUMENT TYPE: Article  
LANGUAGE: English

L6 ANSWER 15 OF 24 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI  
ACCESSION NUMBER: 2002-04957 BIOTECHDS  
TITLE: Use of multiple immobilized enzyme reactors in a liquid  
chromatographic system to perform enzymatic transformations  
or compound syntheses, to screen chemical entities for the  
discovery of new drug candidates;  
dopamine conversion to norepinephrine using immobilized  
dopamine-beta-hydroxylase bioreactor  
AUTHOR: WAINER I; MARKOGLOU N  
PATENT ASSIGNEE: UNIV MCGILL  
PATENT INFO: WO 2001090298 29 Nov 2001  
APPLICATION INFO: WO 2000-CA777 26 May 2000  
PRIORITY INFO: CA 2000-2309510 26 May 2000  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
OTHER SOURCE: WPI: 2002-114284 [15]



L6 ANSWER 16 OF 24 BIOTECHDS COPYRIGHT 2002 THOMSON DERWENT AND ISI

ACCESSION NUMBER: 2002-00418 BIOTECHDS

TITLE: Characterizing **proteins** involves treating samples comprising **proteins** with separation apparatus, feeding separated **proteins** into a **mass spectrometer** and analyzing the separated **protein** to characterize **protein** mass; **protein** microarray and **computer** software for human erythroleukemia cell **protein** purification and characterization

AUTHOR: Lubman D M; Barder T J; Wall D B; Parus S J; Kachman M T; Chong B E; North R; Horvath T; Yan F

PATENT ASSIGNEE: Univ.Michgigan

LOCATION: Ann Arbor, MI, USA.

PATENT INFO: WO 2001058925 16 Aug 2001

APPLICATION INFO: WO 2001-US3917 7 Feb 2001

PRIORITY INFO: US 2001-259448 3 Jan 2001; US 2000-180911 8 Feb 2000

DOCUMENT TYPE: Patent

LANGUAGE: English

OTHER SOURCE: WPI: 2001-529839 [58]

L6 ANSWER 17 OF 24 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:293960 CAPLUS

DOCUMENT NUMBER: 136:275672

TITLE: Apparatus and methods for affinity capture tandem mass spectrometry

INVENTOR(S): Weinberger, Scot; Ens, Werner; Laboda, Alexander; Spicer, Victor; Bryan, Raymond G.; Standing, Ken; Tornatore, Pete

PATENT ASSIGNEE(S): CIPHERGEN BIOSYSTEMS, INC., USA

SOURCE: PCT Int. Appl., 86 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
WO 2002031491	A2	20020418	WO 2000-US28163	20001011
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			

L6 ANSWER 18 OF 24 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:598300 CAPLUS

DOCUMENT NUMBER: 135:177671

TITLE: **Protein** separation apparatus and methods for a novel mass mapping system

INVENTOR(S): Lubman, David M.; Chong, Bathsheba E.; Parus, Stephen J.

PATENT ASSIGNEE(S): Regents of the University of Michigan, USA

SOURCE: PCT Int. Appl., 56 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 3  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001059460	A2	20010816	WO 2001-US3887	20010207
WO 2001059460	A3	20020207		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 2002039747	A1	20020404	US 2001-778496	20010207
PRIORITY APPLN. INFO.:			US 2000-180911P	P 20000208
			US 2000-239325P	P 200001010
			US 2000-239326P	P 200001010
			US 2001-259448P	P 20010103
			US 2001-259816P	P 20010104

L6 ANSWER 19 OF 24 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:598011 CAPLUS

DOCUMENT NUMBER: 135:164431

TITLE: An apparatus and methods for **protein** separation and display

INVENTOR(S): Lubman, David M.; Barder, Timothy J.; Wall, Daniel B.; Parus, Stephen J.; Kachman, Maureen T.; Chong, Bathsheba E.; North, Robert; Horvath, Thomas; Yan, Fang

PATENT ASSIGNEE(S): The Regents of the University of Michigan, USA

SOURCE: PCT Int. Appl., 104 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001058925	A2	20010816	WO 2001-US3917	20010207
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
PRIORITY APPLN. INFO.:			US 2000-180911P	P 20000208
			US 2000-239325P	P 200001010
			US 2000-239326P	P 200001010
			US 2001-259448P	P 20010103

L6 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:842363 CAPLUS

DOCUMENT NUMBER: 134:27293

TITLE: Method of determining the three-dimensional shape of a

macromolecule using chemical crosslinking and specific cleavage and fragment analysis

INVENTOR(S): Gibson, Bradford W.; Kuntz, Irwin D.; Tang, Ning; Dollinger, Gavin; Oshiro, Connie M.; Hempel, Judith C.; Taylor, Eric

PATENT ASSIGNEE(S): Regents of the University of California, USA

SOURCE: PCT Int. Appl., 80 pp.  
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000072004	A2	20001130	WO 2000-US14667	20000526

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 1999-135891P P 19990526

L6 ANSWER 21 OF 24 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1999:205270 CAPLUS

DOCUMENT NUMBER: 130:220155

TITLE: System and methods for qualitatively and quantitatively comparing complex admixtures using single ion chromatograms derived from spectroscopic analysis of such admixtures

INVENTOR(S): Higgs, Richard E., Jr.; Julian, Randall K., Jr.; Kaiser, Raymond E., Jr.

PATENT ASSIGNEE(S): Eli Lilly and Company, USA

SOURCE: U.S., 24 pp.  
CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5885841	A	19990323	US 1996-712540	19960911

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 22 OF 24 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1998:328087 CAPLUS

DOCUMENT NUMBER: 129:80808

TITLE: Application of mass spectrometry for the identification of genetic variants of milk **proteins**

AUTHOR(S): Chin, D.; Ng-Kwai-Hang, K. F.

CORPORATE SOURCE: Department of Animal Science, McGill University, Ste-Anne-de-Bellevue, H9X 3V9, Can.

SOURCE: International Dairy Federation [Special Issue] S.I. (1997), 9702(Milk Protein Polymorphism), 334-339  
CODEN: IDFSEO; ISSN: 1025-8515

PUBLISHER: International Dairy Federation  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L6 ANSWER 23 OF 24 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1995:692204 CAPLUS  
DOCUMENT NUMBER: 123:78729  
TITLE: Low flow high-performance liquid chromatography  
solvent delivery system designed for tandem capillary  
liquid chromatography-mass spectrometry  
AUTHOR(S): Davis, M. T.; Stahl, D. C.; Lee, T. D.  
CORPORATE SOURCE: Beckman Research Inst., City of Hope, Duarte, CA, USA  
SOURCE: J. Am. Soc. Mass Spectrom. (1995), 6(7), 571-7  
CODEN: JAMSEF; ISSN: 1044-0305  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L6 ANSWER 24 OF 24 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 88265774 EMBASE  
DOCUMENT NUMBER: 1988265774  
TITLE: Cesium ion liquid secondary ion mass spectrometry of  
membrane-bound glycoproteins: Structural and topological  
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